

**CONFIDENTIAL**

29 June 1956

**MEMORANDUM FOR THE RECORD**

**SUBJECT: WAD project Sea Pup**

On 28 June 1956 the undersigned accompanied Mr. P.L. Sutphen and Capt. Karl G. Hensel to Philadelphia to visit their contractor concerning project Sea Pup.

The contractor is the Philco Corp.  
Gov. and Industrial Division  
4700 Wissahickon Ave.  
North Philadelphia, Pa.

Sea Pup is a self-propelled electric-powered swimmer controlled underwater vehicle. It can be fitted with a removable war head containing HBX-3. The war head is to be primed with two 24 hour clockwork delay firing devices. The hull material used as well as the war head material is fiber glass.

ED is concerned in this project as far as offering technical assistance to WAD concerning the explosive components. With this in mind the unit was checked out as far as fitting one 24-hour clockwork to the unit. The only apparent feature requiring further investigation of the explosive components is to determine whether or not an M-34 detonator will initiate high order detonation in HBX-3 through the fiber glass detonator wall.

By means of this memo WAD is requested to provide ED with 50 containers having detonator wells identical to those used in the Sea Pup. Each container should be loaded with a minimum of 1 lb HBX-3. When loaded with explosives the container should be shipped to:

Post Ordnance Officer  
Ft. Belvoir, Va.  
for reissue to ERDL Property Officer  
Attn: S.W. Simmons, acc. FB-79.

It is my understanding that Philco can arrange for fabricating and for having the containers loaded. ED will arrange for testing and evaluating the explosive tests.

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cc: TSS/WAD

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